2011 Table

Table 7.2-1

Table 7.2-2

Table 7.2-3

Table 7.2-4a

Table 7.2-4b

Table 7.2-4c

Table 7.3-1

Table 7.3-2

Table 7.3.3

Table 7.3.4

Table 7.3.5a

Table 7.3.5b Table 7.3.6b

Table 7.3.7a

Table 7.3.7b

Table 7.4-1

Table 7.4-2a

Table 7.4-2b

Table 7.4-2c

Table 7.4.3a

Table 7.4.3b

Table 7.4.3c

Table 7.4-4a

Table 7.4-4b

Table 7.4-4c

Table 7.5-1

EPA Direction

Delete table

New Table 7.2-1 Present only 15 indicator contaminants. Use consistent units (organics in ug/kg, inorganics in mg/kg). Delete columns 3, 8, and 11-16. Present column 7 as frequency of detection, not frequency of NDs

Delete table

Replace with new Table 7.3-1 (provided)

Combined in new Table 7.3-1 (provided)

Delete table

2011 Figure

- Figure 7.3-1
- Figure 7.3-2
- Figure 7.3-3
- Figure 7.3-4
- Figure 7.3-5
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Figure 7.3-127

Figure 7.3-128

Figure 7.4-1

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Figure 7.4-16

Figure 7.4-17

Figure 7.4-18

Figure 7.5-11

Figure 7.5-12

Figure 7.5-13

Figure 7.5-14

Title

Background-Upriver Bedded Sediment Outlier Analysis, PCB 077 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 077 Background-Upriver Bedded Sediment Outlier Analysis, PCB 081 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 081 Background-Upriver Bedded Sediment Outlier Analysis, PCB 105 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 105 Background-Upriver Bedded Sediment Outlier Analysis, PCB 118 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 118 Background-Upriver Bedded Sediment Outlier Analysis, PCB 126 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 126 Background-Upriver Bedded Sediment Outlier Analysis, PCB 156 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 156 Background-Upriver Bedded Sediment Outlier Analysis, PCB 157 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 157 Background-Upriver Bedded Sediment Outlier Analysis, PCB 169 Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB 169

Background-Upriver Bedded Sediment Outlier Analysis, Total PCB Aroclors Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total PCB Aroclors

Background-Upriver Bedded Sediment Outlier Analysis, Total PCB Congeners Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total PCB Congeners Background-Upriver Bedded Sediment Outlier Analysis, Total PCBs Combined Background-Upriver Bedded Sediment Outlier Analysis, Total PCBs Combined, OC-Normalized Background-Upriver Bedded Sediment Outlier Analysis, PCB TEQ (ND=0) Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized PCB TEQ (ND=0) Background-Upriver Bedded Sediment Outlier Analysis, 1,2,3,4,7,8 HCDF Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 1,2,3,4,7,8 HCDF Background-Upriver Bedded Sediment Outlier Analysis, 1,2,3,6,7,8 HCDDDry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 1,2,3,6,7,8 HCDD Background-Upriver Bedded Sediment Outlier Analysis, 1,2,3,7,8 PCDD Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 1,2,3,7,8 PCDD Background-Upriver Bedded Sediment Outlier Analysis, 2,3,4,7,8 PCDF Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 2,3,4,7,8 PCDF Background-Upriver Bedded Sediment Outlier Analysis, 2,3,7,8 TCDD Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 2,3,7,8 TCDD Background-Upriver Bedded Sediment Outlier Analysis, 2,3,7,8 TCDF Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 2,3,7,8 TCDF Background-Upriver Bedded Sediment Outlier Analysis, TCDD TEQ (ND=0) Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized TCDD TEQ (ND=0) Background-Upriver Bedded Sediment Outlier Analysis, Total TEQ (ND=0) Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total TEQ (ND=0) Background-Upriver Bedded Sediment Outlier Analysis, 4,4' DDD Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 4,4'-DDD Background-Upriver Bedded Sediment Outlier Analysis, 4,4'-DDE Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 4,4'-DDE Background-Upriver Bedded Sediment Outlier Analysis, 4,4'-DDT Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 4,4'-DDT Background-Upriver Bedded Sediment Outlier Analysis, Total of 2,4'- and 4,4'-DDD Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total of 2,4'- and 4,4'-DDD Background-Upriver Bedded Sediment Outlier Analysis, Total of 2,4'- and 4,4'-DDE Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total of 2,4'- and 4,4'-DDE Background-Upriver Bedded Sediment Outlier Analysis, Total of 2,4'- and 4,4'-DDT Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total of 2,4'- and 4,4'- DDT Background-Upriver Bedded Sediment Outlier Analysis, Total DDx

Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total DDx

Background-Upriver Bedded Sediment Outlier Analysis, alpha-Hexachlorocyclohexane Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized alpha-Hexachlorocyclohexane

Background-Upriver Bedded Sediment Outlier Analysis, beta-Hexachlorocyclohexane Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized beta-Hexachlorocyclohexane

Background-Upriver Bedded Sediment Outlier Analysis, delta-Hexachlorocyclohexane Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized delta-Hexachlorocyclohexane

Background-Upriver Bedded Sediment Outlier Analysis, gamma-Hexachlorocyclohexane Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized gamma-Hexachlorocyclohexane

Background-Upriver Bedded Sediment Outlier Analysis, Total Chlordanes Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total Chlordanes

Background-Upriver Bedded Sediment Outlier Analysis, Aldrin Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Aldrin

Background-Upriver Bedded Sediment Outlier Analysis, Dieldrin Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Dieldrin
Background-Upriver Bedded Sediment Outlier Analysis, Endrin Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Endrin
Background-Upriver Bedded Sediment Outlier Analysis, Endrin ketone Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Endrin ketone
Background-Upriver Bedded Sediment Outlier Analysis, Heptachlor Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Heptachlor
Background-Upriver Bedded Sediment Outlier Analysis, Heptachlor Epoxide Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Heptachlor Epoxide
Background-Upriver Bedded Sediment Outlier Analysis, MCPP Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized MCPP

Background-Upriver Bedded Sediment Outlier Analysis, Total PAHs Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total PAHs Background-Upriver Bedded Sediment Outlier Analysis, Total cPAH BaPEq DryWeight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total cPAH BaPEq Background-Upriver Bedded Sediment Outlier Analysis, Total LPAHs Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Total LPAHs Background-Upriver Bedded Sediment Outlier Analysis, Benzo(a)anthracene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Benzo(a)anthracene Background-Upriver Bedded Sediment Outlier Analysis, Benzo(a)pyrene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Benzo(a)pyrene Background-Upriver Bedded Sediment Outlier Analysis, Benzo(b)fluoranthene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Benzo(b)fluoranthene Background-Upriver Bedded Sediment Outlier Analysis, Benzo(k)fluoranthene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Benzo(k)fluoranthene Background-Upriver Bedded Sediment Outlier Analysis, Chrysene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Chrysene Background-Upriver Bedded Sediment Outlier Analysis, Dibenzo(a,h)anthracene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Dibenzo(a,h)anthracene Background-Upriver Bedded Sediment Outlier Analysis, Indeno(1,2,3-cd)pyrene Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-normalized Indeno(1,2,3-cd)pyrene

Background-Upriver Bedded Sediment Outlier Analysis, BEHP Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized BEHP
Background-Upriver Bedded Sediment Outlier Analysis, Diethyl phthalate Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Diethyl phthalate
Background-Upriver Bedded Sediment Outlier Analysis, Benzyl Alcohol Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Benzyl Alcohol

Background-Upriver Bedded Sediment Outlier Analysis, Carbazole Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Carbazole
Background-Upriver Bedded Sediment Outlier Analysis, Hexachlorobenzene Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Hexachlorobenzene
Background-Upriver Bedded Sediment Outlier Analysis, Pentachlorophenol Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Pentachlorophenol
Background-Upriver Bedded Sediment Outlier Analysis, 4-Methylphenol Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized 4-Methylphenol
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Phenol
Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Phenol
Background-Upriver Bedded Sediment Outlier Analysis, Aluminum Dry Weight
Background-Upriver Bedded Sediment Outlier Analysis, Antimony Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Arsenic Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, Cadmium Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Chromium Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Copper Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, Lead Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Mercury Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, Nickel Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, Selenium Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, Silver Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Zinc Dry Weight

Background-Upriver Bedded Sediment Outlier Analysis, Tributyltin Ion Dry Weight Background-Upriver Bedded Sediment Outlier Analysis, OC-Normalized Tributyltin Ion Background-Upriver Surface Water Analysis, PCBs: PCB 077, PCB 081, PCB 105 Background-Upriver Surface Water Analysis, PCBs: PCB 118, PCB 126, PCB 156 & 157

Background-Upriver Surface Water Analysis, PCBs: PCB 169, Total PCB Congeners, PCB TEQ (ND=0)

Background-Upriver Surface Water Analysis, PCDD/Fs: 1,2,3,4,7,8-HCDF; 1,2,3,6,7,8 HCDD; and 1,2,3,7,8 PCDD

Background-Upriver Surface Water Analysis, PCDD/Fs: 2,3,4,7,8 PCDF; 2,3,7,8 TCDF; 2,3,7,8 TCDD

Background-Upriver Surface Water Analysis, PCDD/Fs: TCDD TEQ (ND=0), Total TEQ Background-Upriver Surface Water Analysis, Pesticides: 4,4'-DDD; 4,4'-DDE, 4,4'-DDT Background-Upriver Surface Water Analysis, Pesticides: Sum DDD; Sum DDE; Sum DDT

 $Background-Upriver\ Surface\ Water\ Analysis,\ Pesticides:\ Total\ DDx;\ \delta-Hexachlorocyclohexane;\ \gamma-Hexachlorocyclohexane$

Background-Upriver Surface Water Analysis, Pesticides: Total Chlordanes, Aldrin, Dieldrin Background-Upriver Surface Water Analysis, Pesticides: Endrin, Endrin Ketone, Heptachlor Background-Upriver Surface Water Analysis, Pesticides: Heptachlor Epoxide; Herbicides: MCPP Background-Upriver Surface Water Analysis, PAHs: Total PAHs; CPAH BaPEq; Total LPAHs

Background-Upriver Surface Water-Analysis, PAHs: Benzo(a)anthracene; Benzo(a)pyrene; Benzo(b)fluoranthene Background-Upriver Surface Water-Analysis, PAHs: Benzo(j+k)fluoranthene, Benzo(k)fluoranthene, Chrysene Background-Upriver Surface Water-Analysis, PAHs: Dibenzo(a,h)anthracene, Ideno(1,2,3-cd)pyrene, Naphthalene

Background-Upriver Surface Water-Analysis, Phthalates: Bis(2-ethylhexyl)phthalate, Diethyl phthalate Background-Upriver Surface Water-Analysis, SVOCs: Benzyl Alcohol, Carbazole, Hexachlorobenzene

Sediment Background Analysis, Secondary Data Sets, Dry Weight Total DDx Sediment Background Analysis, Secondary Data Sets, OC-normalized Total DDx

Sediment Background Analysis, Secondary Data Sets, Dry Weight Total PAHs

Sediment Background Analysis, Secondary Data Sets, OC-normalized Total PAHs

EPA Direction New Table Title New Figure 7.2-1 Correlation Plot of PCB Aroclors vs. Congeners for Background Sediment Data New Figure 7.2-2 Comparison of PCB Aroclor and Congener Data For Background Sediment by RM Delete figure New Figure 7.3-11 Background-Upriver Sediment Outlier Analysis, Total PCB Aroclors (Dry Weight) Delete figure New Figure 7.3-12 Background-Upriver Sediment Outlier Analysis, Total PCB Congeners (Dry Weight) Delete figure Delete figure

New Figure 7.3-6 Delete figure	Background-Upriver Sediment Outlier Analysis, Total DDx (Dry Weight)
New Figure 7.3-3 Delete figure	Background-Upriver Sediment Outlier Analysis, Total Chlordanes (Dry Weight)
New Figure 7.3-1 Delete figure	Background-Upriver Sediment Outlier Analysis, Aldrin (Dry Weight)
New Figure 7.3-7 Delete figure	Background-Upriver Sediment Outlier Analysis, Dieldrin (Dry Weight)
New Figure 7.3-10 Delete figure	Background-Upriver Sediment Outlier Analysis, Total PAHs (Dry Weight)
New Figure 7.3-8 Delete figure Delete figure Delete figure Delete figure Delete figure	Background-Upriver Sediment Outlier Analysis, BEHP (Dry Weight)

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New Figure 7.3-5 Delete figure	Background-Upriver Sediment Outlier Analysis, Copper (Dry Weight)
New Figure 7.3-9 Delete figure Delete figure Delete figure	Background-Upriver Sediment Outlier Analysis, Mercury (Dry Weight)
New Figure 7.3-15	Background-Upriver Sediment Outlier Analysis, Zinc (Dry Weight)
New Figure 7.3-14 Delete Delete Delete	Background-Upriver Sediment Outlier Analysis, Tributyltin Ion (Dry Weight)
Delete	

Additional EPA Direction Figure is provided as expample. LWG is to have Integral recreate using appropriate software. Figure is provided as expample. LWG is to have Integral recreate using appropriate software.
Revise plots to delete data analyzed by SOM01.2 Remove Primary Outlier from scatter plot, including legend, and any associated notes. Make sure that legend does not cover data.
Remove Primary Outlier from scatter plot, including legend, and any associated notes. Make sure that legend does not cover data. Remove note 1 from Q-Q plot.

Revise plots to delete data analyzed by SOM01.2 Remove Primary Outlier from scatter plot, including legend, and any associated notes. Make sure that legend does not cover data. Remove note 1 from Q-Q plot.
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Remove Primary Outlier from scatter plot, including legend, and any associated notes. Make sure that legend does not cover data. Remove note 1 from Q-Q plot.

Show scatter plot by RM only. Remove box/whisker and Q-Q plots. Remove Primary Outlier from scatter plot, including legend, and any associated notes. Make sure that legend does not cover data.

2011 Map EPA Direction

7.2-1a Retain
7.2-1b Retain
7.2-2 Delete map
7.3-1 Delete map
7.3-2 Delete map